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PTO/SB/21 (03-03)

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/749,282
	Filing Date	December 26, 2000
	First Named Inventor	Gene R. Anderson
	Art Unit	2874
	Examiner Name	Rahll, Jerry T.
Total Number of Pages in This Submission	Attorney Docket Number	1613370-0011

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ENCLOSURES (Check all that apply)		
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<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
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<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual	James M. Wu (Reg. No. 45,241) White & Case LLP 1155 Avenue of the Americas, New York, NY 10036
Signature	
Date	April 11, 2003

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I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: April 11, 2003	
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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, Washington, DC 20231.**

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PTO/SB/17 (01-03)

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FEE TRANSMITTAL**for FY 2003**

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT**

(\$ 180.00)

Complete if Known

Application Number	09/749,282
Filing Date	December 26, 2000
First Named Inventor	Gene R. Anderson
Examiner Name	Rahll, Jerry T.
Art Unit	2874
Attorney Docket No.	1613370-0011

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit
Account
Number
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23-1703

White & Case LLP

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☐ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 750	2001 375	Utility filing fee	
1002 330	2002 165	Design filing fee	
1003 520	2003 260	Plant filing fee	
1004 750	2004 375	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$)**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

	Extra Claims	Fee from below	Fee Paid
Total Claims	-20** =	X	
Independent Claims	-3** =	X	
Multiple Dependent			

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 84	2201 42	Independent claims in excess of 3
1203 280	2203 140	Multiple dependent claim, if not paid
1204 84	2204 42	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 410	2252 205	Extension for reply within second month	
1253 930	2253 465	Extension for reply within third month	
1254 1,450	2254 725	Extension for reply within fourth month	
1255 1,970	2255 985	Extension for reply within fifth month	
1401 320	2401 160	Notice of Appeal	
1402 320	2402 160	Filing a brief in support of an appeal	
1403 280	2403 140	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,300	2453 650	Petition to revive - unintentional	
1501 1,300	2501 650	Utility issue fee (or reissue)	
1502 470	2502 235	Design issue fee	
1503 630	2503 315	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	180.00
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 750	2810 375	For each additional invention to be examined (37 CFR 1.129(b))	
1801 750	2801 375	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 180.00)**SUBMITTED BY**

(Complete if applicable)

Name (Print/Type)	James M. Yu	Registration No. (Attorney/Agent)	45,241	Telephone	650-213-0300
Signature		Date	April 11, 2003		

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Gene R. Anderson *et al.*

Serial No.: 09/749,282

Group Art Unit: 2874

Filed: December 26, 2000

Examiner: Rahll, Jerry T.

For: **Attenuator And Conditioner**

White & Case Docket No.: 1613370-0011

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Melissa McCool		April 11, 2003
Name	Signature	Dated

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

04/16/2003 MN0HAMM1 00000009 231703 09749282
01 FC:1806 180.00 CH

Sir:

In accordance with the duty of disclosure imposed by 37 C.F.R. § 1.56 to inform the Patent Office of all references coming to the attention of Applicants or attorneys or agents for Applicants which are or may be material to the examination of the subject application, Attorneys for Applicants hereby invite the Examiner's attention to the reference(s) listed on the accompanying PTO Form SB/08A.

Identification of references listed on the attached PTO form is not to be construed as an admission of Applicants or attorneys for Applicants that such references are material or available as prior art against the subject application. The right is reserved to antedate any item in accordance with standard procedure.

This submission is understood to complement the results of the Examiner's own independent search. The submission should not be construed as a representation that a

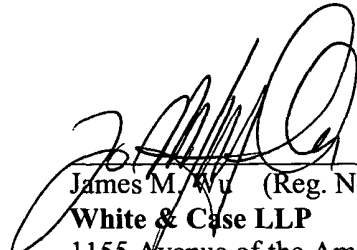


search was made, or that the cited items are inclusive of all the relevant and material citations that may be available publicly.

Copies of the cited reference(s) are enclosed. Applicants respectfully request that the Examiner review the attached reference(s) and that they be made of record in the file history of the above-captioned application.

Applicants believe that the fee due in connection with the filing of this Information Disclosure Statement is \$180.00 (fee transmittal enclosed). In the event that additional fees are required, then such fees are hereby authorized to be charged to White & Case LLP Deposit Account 23-1703.

Dated: April 11, 2003


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PTO/SB/08A (10-96)
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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	09/749,282
		Filing Date	December 26, 2000
		First Named Inventor	Gene R. Anderson
		Group Art Unit	2874
		Examiner Name	Rahll, Jerry T.
(use as many sheets as necessary)		Attorney Docket Number	1613370-0011
Sheet	1	of	3

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. 1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code? (if known)			
		US - 4,329,190	05-11-1982	Berg et al.	
		US - 4,479,698	10-30-1984	Landis et al.	
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		US - 4,729,623	03-08-1988	Mery	
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		US - 4,767,430	08-30-1988	Deneka et al.	
		US - 4,772,123	09-20-1988	Radner	
		US - 4,836,645	06-06-1989	Lefevre et al.	
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		US - 5,535,296	07-09-1996	Uchida	
		US - 5,539,848	07-23-1996	Galloway	
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		US - 6,396,191	05-28-2002	Hagelstein et al.	
		US - 6,404,792	06-11-2002	Yamamoto et al.	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
			GB 1 304 428 A	01-24-1973	General Elec.		
			JP 56 046573	04-17-1981	Hitachi Ltd.		
			JP 56 079468	06-30-1981	Matsushita		
			JP 56 111822	09-03-1981	Oki Densen KK		
			JP 60 156023	08-16-1985	Tateishi Denki		
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			DE 40 02 370	08-01-1991	Standard Elek.		
			EP 0 440 336 A2	08-07-1991	Amphenol Corp.		
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			WO 00 73833 A1	12-07-2000	E20 Commun.		

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		ROBINSON, et al., Low Cost Molded Packaging for Optical Data Links, 1994 IEEE Journal, pp. 312-316	
		NAGAHORI, et al., 1-Gbyte/sec Array Transmitter and Receiver Modules for Low-Cost Optical Fiber Interconnection, 1996 Electronic Components & Technology Conference, 46 th Proceedings, pp. 255-258	
		NIBURG et al., A Complete Sub-System of Parallel Optical Interconnects for Telecom Applications, 1996 Electronic Components & Technology Conference, 46 th Proceedings, pp. 259-263	
		de PESTEL et al., Parallel Optical Interconnections for Future Broad Band Systems, Based on the "Fiber in Board Technology", 1996 Electronic Components & Technology Conference, 46 th Proceedings, pp. 264-266	
		WONG et al., Optoelectronic Technology Consortium (OETC) Parallel Optical Data Link: Components, System Applications and Simulation Tools, 1996 Electronic Components & Technology Conference, 46 th Proceedings, pp. 269-278	
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		CROW et al., The Jitney Parallel Optical Interconnect, 1996 Electronic Components & Technology Conference, 46 th Proceedings, pp. 292-300	
		HAHN et al., Gigabyte/sec Data Communications with the POLO Parallel Optical Link, 1996 Electronic Components & Technology Conference, 46 th Proceedings, pp. 301-307	
		LIU et al., Polymer Optical Interconnect Technology (POINT) - Optoelectronic Packaging and Interconnect for Board and Backplane Applications, 1996 Electronic Components & Technology Conference, 46 th Proceedings, pp. 308-315	
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		CARSON et al., Low-Power Modular Parallel Photonic Data Links, 1996 Electronic Components & Technology Conference, 46 th Proceedings, pp. 321-326	
		KIBAR et al., Power Minimization and Technology Comparisons for Digital Free-Space Optoelectronic Interconnections, 1999 Journal Of Lightwave Technology, Vol. 17, No. 4, pp. 546-555	
		SIMONIS et al., 1 Gb/s VCSEL/CMOS Flip-Chip 2-D-Array Interconnects and Associate Diffractive Optics, 1999 Parallel Interconnect (PI '99), pp. 1-9	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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